

(12) **United States Patent**
Leidig et al.

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(54) **DUCT ELEMENT FOR THE EXHAUST SYSTEM OF A MOTOR VEHICLE**

(56) **References Cited**

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(57) **ABSTRACT**

(51) **Int. Cl.**

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A duct element for the exhaust system of a motor vehicle with an internal combustion engine, including at least one flexible duct part, preferably a bellows. The flexible duct part is embodied at least partially from a first type of steel with a Mo-content $\geq 4\%$ or $\geq 6\%$ and with a N-content from 0.3% to 0.6% or from 0.18% to 0.25%, preferably embodied from steel of the type 1.4565 or the type 1.4547. Furthermore a decoupling element is provided for motor vehicles with an internal combustion engine and a respective use of steel embodied with a Mo-content $\geq 4\%$ or $\geq 6\%$ and a N-content from 0.3% to 0.6% or from 0.18% to 0.25%, preferably steel of the type 1.4565 or 1.4547.

(52) **U.S. Cl.**

CPC **F16L 11/14** (2013.01); **F01N 13/16** (2013.01); **F16L 11/15** (2013.01); **F16L 55/0337** (2013.01); **F01N 2530/02** (2013.01); **F01N 2530/04** (2013.01)

(58) **Field of Classification Search**

None

See application file for complete search history.

12 Claims, 1 Drawing Sheet

